Scienco CT6 product family



CT6 transfer pump and systems



CT6 DEF transfer pump and systems



CT6 advanced mixing system



SEM-100 flow meter

FLOWSERVE

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FLOWSERVE

Scienco®
Agricultural Products



Experience In Motion



Scienco agricultural products

Experience makes the difference

Flowserve Scienco pumps and systems are the most dependable chemical transfer systems in the agricultural industry. Scienco pumps deliver the performance and reliability expected from a leader; Scienco has been providing chemical transfer systems for more than 30 years.

Agricultural pumps and systems

Diaphragm pumps for chemical transfer



12 V DC CT6 system with flow meter, hose, valve and spout



Caddy systems



Tank and drum systems



IBC cage systems

High flow rates for faster loading

The CT6 pump is a six-chamber diaphragm pump designed for chemical transfer applications. It is a self-priming pump with wetted parts resistant to many agricultural and industrial chemicals. It is used primarily to dispense fluids from bulk or mini bulk tanks, intermediate bulk containers (IBCs), drums and similar containers. The pump can be configured with a variety of brackets, dip tubes, flow meters, fittings, hoses and valves to provide a complete pumping system.

Typical features

- Standard and high-flow models
- Multiple system configurations
- Multiple tank and container couplings
- Self-priming from a dry state
- Lightweight and portable
- Quiet system
- DC and AC power options

Specifications

- Standard pump to 49 lpm (13 gpm)
- High-flow pump to 68 lpm (18 gpm)
- Pressures to 2.0 bar (30 psi)
- Temperatures to 66°C (150°F)
- Suction lift to 2.4 m (8 ft) for water-like fluids
- Power requirements: 12 V DC or 115 V AC

DEF pumps and systems

For DEF transfer



12 V DC CT6 tank system with flow meter, hose, tank connect and spout



DEF caddy systems



IBC cage systems

The premier solution for DEF transfer

Flowserve has pioneered many significant advancements in petroleum-related pumping technology, including chemical fluid bulk transfer. This makes Flowserve the optimal choice for safely and reliably transferring diesel exhaust fluid (DEF) to vehicles equipped with selective catalytic reduction (SCR) technology.

Material offerings

- Housing/valve plate: Glass-filled polypropylene
- Diaphragm: Santoprene
- Valve plate: Glass-filled polypropylene
- Elastomers: EPDM, Viton®, Santoprene

CT6 product information

Standard CT6 system configurations

- CES CT6 side mount for use with 275- or 330-gallon caged IBCs with bottom outlet
- CT6 caddy pump in protective frame for use with caged IBCs, mini bulk tanks or drums
- CES CT6 SPAN cap horizontal mount for use with mini bulk tanks with 9-in. opening
- CT6 vertical mount for use with drums or tank lid with 2-in. opening
- CT6-MM vertical mount integrated with Micro Matic® three-pin coupler for use with drums or tanks fitted with Micro Matic three-pin container valve and suction tub

Advanced mixing pump

Chemical mixing and transfer pump system



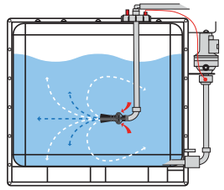
New product

CT6 advanced mixing product information

Advanced mixing system benefits

- The CT6 pump provides the highest flow rates, enabling faster load times.
- Handles tough-to-mix viscous and clay-like chemicals; works well with pre-emergents
- Eliminates need for tooling changes, reducing risk of chemical exposure, labor costs and time
- Switches from mixing to pumping with the turn of a valve
- Speeds mixing time with air-induced agitation
- Ability to keep chemicals in suspension out in the field
- Size range fits 1,042.25- and 1,250.70-liter (275- and 330-gallon) caged IBC tanks

Air-induced agitation speeds mixing time



The CT6 system mixes settled solids by agitating the chemicals with air inside the IBC tank.

Mixing power

When the pump is mixing, fluid is recirculated through an eductor; negative pressure causes surrounding fluid from the tank to be drawn into the stream.



This increases the amount of fluid being circulated through the tank by up to four times what is being pumped by the CT6 pump.

SEM-100 and SEM-100FT

Electronic flow meters



New product

SEM-100FT flow-through flow meter with ball valve and spout

SEM-100 product information

Accurate metering made simple

Scienco SEM-100 and SEM-100FT electronic flow meters employ positive displacement nutating disk technology to meter liquids of various viscosities with great accuracy and nominal pressure loss. With the largest LCD display available on the market, positive touch buttons and simple one-touch operation, SEM-100 and SEM-100FT flow meters are easy to read and use.

Features and benefits

- Fixed mounting or flow-through configurations provide application flexibility.
- Positive displacement nutating disk design meters liquids of various viscosities with great accuracy and minimal pressure loss.
- Simple, one-touch operation with large, positive touch button LCD display measures 20 mm (0.75 in.), is the largest on the market, and features an anti-glare screen with back light.
- Choice of three calibration modes to suit application needs
- Extended battery life is provided by two AAA batteries.

Materials of construction

- Meter housing: Nylon®; polypropylene optionall
- Meter chamber: Polyphenylene sulfide (PPS); stainless steel optional
- O-rings: Viton; EPDM optional
- Electronics body: Nylon

Operating parameters

- Flows from 2 to 30 gpm (0.5 to 6.8 m^3/h)
- Temperatures to 55°C (130°F)
- Pressures to 4 bar (60 psi)
- Accuracy to ±0.5%
- Totals to 999,999